QT-2002-2-NP

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			U.S. PAT	TENT DOCUMENTS	
kamıner	No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
tials		Number Kind Code (if known)		- Applicant of Oneo Document	
	1	US- 5,378.407	01/03/1995	Chandler et al.	
	2	US- 5,968,419	10/19/1999	Sadhir et al.	
-7	3	US- 6,157,528	12/05/2000	Anthony	
	X	US- 5,614,881	03/25/1997	Duggal et al.	
V	5	US- 5,929,744	07/27/1999	Duggal et al.	
	6	US- 6,128,168	10/03/2000	Arnold et al.	
1.	7	US- 6.144,540	11/07/2000	Arnold et al.	
W	8	US- 4,028,276	06/07/1977	Harden et al.	
		US-			

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document			Publication Date	Name of Patentee or	Pages, Columns, Lines		
		Office ³	Number ⁴	Kind ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Le	
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				Application Number		5		
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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. F2]	SHOKO YOSHIKAWA, TOSHITAKA OTA, ROBERT NEWNHAM, AHMED AMIN Piezuresistivity in Polymer-Ceramic Composites University Park, PA	
	2	G.R. RUSCHAU, R.E. NEWNHAM Critical Volume Fractions in Conductive Composites Journal of Composite Materials Volume 26, Number 18, 1992 Pages 2727-2735	
	3	M. BLASZKIEWICZ, D.S. MCLACHLAN, R.E. NEWNHAM Study of the Volume Fraction. Temperature, and Pressure Dependence of the Resistivity in a Ceramic-Polymer using a General Effective Media Theory Equation Journal of Materials Science 26, 1991 Pages 5899-5903	
	4	D.S. MCLACHLAN, M. BLASZKIEWICZ, R.E. NEWNHAM Electrical Resistivity of Composites Journal of American Ceramic Society, 1990 73 [8] 2187-2203	
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